

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,965,123 B1  
APPLICATION NO. : 09/691004  
DATED : November 15, 2005  
INVENTOR(S) : Forbes et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page:

On page 2, in field (56), under "U.S. Patent Documents", in column 2, line 5, delete "438/437" and insert -- 438/237 --, therefor.

On page 2, in field (56), under "U.S. Patent Documents", in column 2, line 18, delete "257/257" and insert -- 257/632 --, therefor.

On page 2, in field (56), under "Other Publications", in column 2, line 2, delete "Lattice" and insert -- Lattice --, therefor.

On page 3, in field (56), under "Other Publications", in column 1, line 7, delete "[< x (<or =) 0.4]" and insert -- (0< x (< or =) 0.4] --, therefor.

On page 3, in field (56), under "Other Publications", in column 1, line 24, delete "Microstructure" and insert -- Microstructures --, therefor.

On page 3, in field (56), under "Other Publications", in column 1, line 30, delete "Heteropitaxial and insert -- Heteroepitaxial --, therefor.

On page 3, in field (56), under "Other Publications", in column 1, line 65, delete "Temperature" and insert -- Temperatures --, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 6, delete "Bondin" and insert -- Bonding --, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 12, delete "inculding" and insert -- Including --, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 12, delete "(1996)." and insert -- (1969). --, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 27, delete "of" and insert -- on --, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 47, delete "Amouphous" and insert -- Amorphous --, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 61, delete "Hexgonal" and insert -- Hexagonal --, therefor.

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On page 4, in field (56), under "Other Publications", in column 1, line 14, delete "Converstion" and insert -- Conversion --, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 49, delete "Obatined" and insert -- Obtained --, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 58, delete "Physucs." and insert -- Physics, --, therefor.

On page 4, in field (56), under "Other Publications", in column 2, line 5, delete "Flourinated" and insert -- Fluorinated --, therefor.

On page 4, in field (56), under "Other Publications", in column 2, line 12, delete "Device" and insert -- Devices --, therefor.

On page 4, in field (56), under "Other Publications", in column 2, line 14, delete "Abstract" and insert -- Abstracts --, therefor.

On page 4, in field (56), under "Other Publications", in column 2, line 20, delete "Semiconductions," and insert -- Semiconductors, --, therefor.

On page 4, in field (56), under "Other Publications", in column 2, lines 42-44, delete "Svirkova, N., et al., "Deposition Conditions and Density-of-States Spectrum of a-Si(1-x)C(x) :H Films Obtained by Sputtering", Semiconductions, 28, 1164-1169, (Dec. 1994)." and insert -- Tucker, C., et al., Ion-beam-assisted Deposition of Nonhydrogenated a-Si:C Films", Can. J. Physics, 74, 97-101, (1996) --, therefor.

On page 5, in field (56), under "Other Publications", in column 1, line 6, delete "Sweedn" and insert -- Sweden --, therefor.

On page 5, in field (56), under "Other Publications", in column 1, line 7, delete "Depositon" and insert -- Deposition --, therefor.

On page 5, in field (56), under "Other Publications", in column 1, line 10, delete "Surface" and insert -- Surfaces --, therefor.

On page 5, in field (56), under "Other Publications", in column 1, line 25, delete "Graded-Gad" and insert -- Graded-Gap --, therefor.

On page 5, in field (56), under "Other Publications", in column 2, line 19, after "Neudeck," delete "O.," and insert -- P., --, therefor.

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On page 5, in field (56), under "Other Publications", in column 2, line 22, after "Qian," delete "G.," and insert -- Q., --, therefor.

On page 5, in field (56), under "Other Publications", in column 2, line 46, delete "Dimensonial" and insert -- Dimensional --, therefor.

In column 8, line 34, delete " $x \approx 0.4$  eV" and insert --  $x \approx -0.4$  eV --, therefor.

In column 8, line 35, delete " $x \approx 0.9$  eV" and insert --  $x \approx 0.9$  eV --, therefor.

In column 9, line 31, delete "electrons" and insert -- "electrons" --, therefor.

In column 13, line 32, after "106." delete "Process" and insert the same as a heading in Col.13, line 33.

In column 13, line 59, after "The" delete ".".

In column 14, line 24, delete "Science." and insert -- Science, --, therefor.

In column 17, line 18, in Claim 14, after "to be" delete "to be".

In column 17, line 44, in Claim 17, delete " $S_{i-x}C_x$ ," and insert --  $Si_{1-x}C_x$ , --, therefor.

Signed and Sealed this

Nineteenth Day of September, 2006



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*